



FIRE SECURITY SYSTEMS

Cable Fire Protection FS11

**Water Based Intumescent Cable Coating for
the fire protection of Electrical Cables up to
90 minutes**

DESCRIPTION

FS11 is a water-based intumescent coating for interior applications specially developed to stop fire from spreading on single, grouped or bundled electrical cables.

FS11 Cable Coating protects electrical cables through insulation. Under fire, **FS11** expands up to 1000% to form an insulation layer to protect the cable from heat and flame spread, effectively creating a sacrificial blanket around the cable.

FS11, upon expanding, also prevents fire from penetrating the electrical cable by leeching oxygen. Fire needs oxygen to survive, a lower-oxygen environment means the fire cannot spread as easily further increasing the durability and lifetime of the cable under fire.

FS11 is the PERFECT solution for protecting your interior cable system due to its incredibly low DFT (Dry Film Thickness) of 1mm.



WHERE TO USE FS11

FS11 can be applied to interior electrical cables in industrial, marine and commercial projects or where cable protection is required to avoid spread of flame.



THE WINNING ADVANTAGE

- Recognized as the Lowest DFT on the market
- Classified for up to 90 minute Fire Rating
- Water based
- Non-Toxic Non-Hazardous
- Solvent and asbestos free
- Lightweight, thin-film application.
- Cost effective for the customer and installer
- Applications worldwide
- Single component (stir and spray).
- Worldwide approvals
- Interior applications only



WHY USE FS11?

FS11 is an ideal solution for the protection of electrical cables from flame spread in an interior application.

One of the main reason for coating cables is to isolate the fire to it's source and not let the fire spread from one area to another along the cable system.

FS11 is perfected for interior applications where a cost effective solution to cable protection is required.

FS11 does not effect the current carrying capacity of the electrical cable, so there is no derating required.

FS11 will last the lifetime of the cable once applied.

TYPICAL APPLICATIONS

FS11 is typically applied on the following:

- New and existing electrical cables
- HV and LV cables
- Cable in need of repair

FS11 can also be applied to electrical cables in rooms and areas such as:

- Substations
- Cable Galleries
- Switch Rooms
- Battery Rooms
- Cable Basements
- Transformer Bays / Areas
- Motor Rooms
- Marine applications (ships / rigs)



REQUIRED DATA

Product	Fire Rating (minutes)
FS11	up to 90 minutes Interior use only
Approvals	
IEC 60331-21 (90 Minutes), IEC 60331-3, DNV, Germanischer Lloyd	
Transport / Storage	
<ul style="list-style-type: none">- Transport and store free from frost- preferably at a minimum of +5°C to a maximum of +30°C.- shelf-life of unopened pails: 12 month from date of manufacture.- Opened pails must be re-sealed.	
Packaging	
<ul style="list-style-type: none">- 25 kg net weight (19 litres or 5 gallons)- Plastic pails- Other sizes on request	
Surface Preparation	
Please refer to the Technical Data Sheet	
Application	
Please refer to the Technical Data Sheet	
Drying Time	
Please refer to the Technical Data Sheet	
Top Coats	
Please refer to the Technical Data Sheet	
Safety and the Environment	
Please refer to the Technical Data Sheet	





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